

CLAIMS LISTING

Claim 1 CANCELLED

Claim 2 CANCELLED

Claim 3 CANCELLED

Claim 4 CANCELLED

Claim 5 CANCELLED

Claim 6 CANCELLED

Claim 7 CANCELLED

Claim 8 CANCELLED

Claim 9 CANCELLED

Claim 10 CANCELLED

Claim 11 (ALLOWED) Apparatus for the placement and fixing of a sheet of filaments, lying essentially in a plane, for the production of scrims in a connecting station, comprising in combination,

- a. a station for the production of premanufactured filament sheet sections having ends held by fixing elements at a preset interval,
- b. conveyor chains continuously supplying said connecting station,
- c. a placement means for placement of said filament sheet sections onto said conveyor chains,
- d. a holding means for at least temporary fixing of the placed filament sheet, said holding means being affixed to said conveyor chains in such a way that said filament sheet sections are held in such a way that said filament sheet sections are presented to said connecting station as an essentially flat surface.

Claim 12 (ALLOWED) Apparatus for the placement and fixing of a sheet of filaments for the production of scrims as described in claim 11 wherein said holding means has at least one row of holding needles into which said fixing elements can be hooked.

- Claim 13 (ALLOWED) Apparatus for the placement and fixing of a sheet of filaments for the production of scrims as described in claim 12 wherein said holding needles are of a length such that more than one fixing element can be hooked in on top of one another.
- Claim 14 (ALLOWED) Apparatus for the placement and fixing of a sheet of filaments for the production of scrims as described in claim 12 wherein said holding needles are curved outwards and are located below rows of guide needles.
- Claim 15 (ALLOWED) Apparatus for the placement and fixing of a sheet of filaments for the production of scrims as described in claim 11 wherein said holding means has two opposing rows of holding needles, and the interval between said opposing holding needles increases for pretensioning of said filament sheet section.
- Claim 16 (ALLOWED) Apparatus for the placement and fixing of a sheet of filaments for the production of scrims as described in claim 11 wherein said holding means has two opposing rows of guide needles and two opposing rows of holding needles which supply said connecting station synchronously.
- Claim 17 (ALLOWED) Apparatus for the placement and fixing of a sheet of filaments for the production of scrims as described in claim 11 wherein said placement means comprises a gripper which can be moved and lowered, said gripper having at least one presser, at least one gripper, and at least one cutting knife.
- Claim 18 (ALLOWED) Apparatus for the placement and fixing of a sheet of filaments for the production of scrims as described in claim 11 wherein said station for production fuses said fixing elements onto said filament sheet section.
- Claim 19 (ALLOWED) Apparatus for the placement and fixing of a sheet of filaments for the production of scrims as described in claim 11 wherein said filament sheet section has a longitudinal dimension and said fixing elements are attached to said filament sheet section at a selectable angle to said longitudinal dimension for diagonal placement of said filament sheet section.
- Claim 20 (PREVIOUSLY PRESENTED) Apparatus for the placement and fixing of a sheet of filaments for the production of scrims as described in claim 11 further comprising a control unit provided for control of said placement unit and said station for production.

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Claim 23 (PREVIOUSLY PRESENTED) Apparatus for the placement and fixing of a sheet of filaments for the production of scrims as described in claim 11 wherein said holding means has at least one row of holding needles into which said fixing elements can be pressed.

Claim 24 (PREVIOUSLY PRESENTED) Apparatus for the placement and fixing of a sheet of filaments for the production of scrims as described in claim 11 wherein said station for production embeds said fixing elements onto said filament sheet section.

Claim 25 (PREVIOUSLY PRESENTED) Apparatus for the placement and fixing of a sheet of filaments for the production of scrims as described in claim 11 wherein said station for production glues said fixing elements onto said filament sheet section.

Claim 26 (PREVIOUSLY PRESENTED) Apparatus for the placement and fixing of a sheet of filaments for the production of scrims as described in claim 11 wherein said station for production freezes said fixing elements onto said filament sheet section.